

### REMARKS

Claims 1-6, 8-14 and 16-20 are pending in the present application. By the above amendments, Claims 1-6, 11-14, and 16-18 have been canceled without prejudice and Claims 8 and 19-20 amended. More particularly, Claim 8 has been amended to delete the term "quartenary amine" and to revise the definition of R4 and R5 so that they cannot together form an "azido" group. Additionally, Claims 19 and 20 have been amended to rewrite them in independent form. Applicants submit that the amendments are fully supported by the specification as filed, and no new matter is being added. The amendments canceling Claims 1-6, 11-14, 16-18 should not be construed as an admission that the canceled subject matter is unpatentable, but is being made solely to advance prosecution of the instant application. Thus, Applicants reserve the right to pursue coverage of the canceled material by filing a continuation or divisional application in the future. After entry of the amendments, Claims 8-10, and 19-20 will remain pending and under consideration.

The Examiner has rejected Claims 1-6, 8-14 and 16-20 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. More particularly, the Examiner has identified several points, which are addressed individually below.

1. The Examiner has objected that the phrase "quartenary amine" in claims 1 and 6 is unclear. By the above amendments, applicants have canceled claims 1 and 6 and amended new independent claims 8, and 19-20 to delete the phrase "quaternary amine". Applicants therefore respectfully request that the Examiner withdraw this rejection.

2. The Examiner has objected that the use of parenthesis in various R groups of Claim 1 renders the claim; in particular, the Examiner objects to the term "di(methyl)aminocarbonyl." By

the above amendments, applicants have canceled claim 1 and amended new independent claims 8, and 19-20 to replace the term "di(methyl)aminocarbonyl" with "dimethylaminocarbonyl" throughout. Applicants therefore respectfully request that the Examiner withdraw this rejection.

3. The Examiner objects that the recitation in Claims 1 and 8 that  $R^4$  and  $R^5$  can be taken together to form a "azido" is indefinite as it is not clear how such a group could be formed. Applicants have deleted claim 1 and amended claim 8 to delete where  $R^4$  and  $R^5$  can be taken together to form a "azido", thereby rendering this rejection moot.

4. Claims 14 and 16 have been objected to by the Examiner as being substantial duplicates. By the above amendments, Applicants have canceled claims 14 and 16.

5. The Examiner objects to newly presented claim 20 as an exact duplicate of newly added claim 19. Applicants respectfully traverse. Claim 19 is drawn to a method for treating non-nucleoside reverse transcriptase inhibitor resistant HIV infection, while Claim 20 is directed to a method for treating non-nucleoside reverse transcriptase inhibitor resistant HIV-1 infection. As such, the claims are not exact duplicates, but are of differing scope. Applicants therefore respectfully request that the Examiner withdraw this objection.

In view of the above amendments and comments, Applicants respectfully request that the Examiner withdraw the rejections under §112, second paragraph.

The Examiner has rejected Claims 1-6 and 11-13 under 35 U.S.C. §103(a) as being unpatentable over Hutchings et al. US 6,048,866, Davis et al. US 6,093,716, and Buckman et al. US 5,691,364. Without conceding the correctness of the Examiner's rejections, but in order to advance the prosecution of the instant application, Applicants have canceled compound,

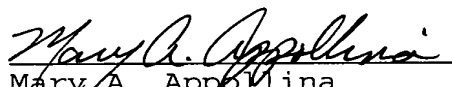
composition and process claims 1-6 and 11-13, thereby obviating these rejections.

Applicants submit that the present amendments do not raise new issues for the Examiner's consideration; instead, the amendments serve to place the application in condition for allowance. Applicants submit that the amendments should therefore be entered, and passage to issue is earnestly requested.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment.

The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

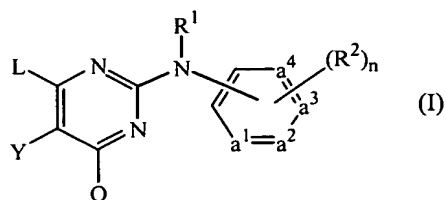
  
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Dated: September 7, 2001

Attachment

Version with Markings to Show Changes Made

8. (Twice Amended) A method of treating subjects suffering from HIV (Human Immunodeficiency Virus) infection comprising administering to the subject a therapeutically effective amount of a compound of formula



a N-oxide, a pharmaceutically acceptable addition salt, a ~~quaternary amine~~ or a stereochemically isomeric form thereof, wherein

$-a^1=a^2-a^3=a^4-$  represents a bivalent radical of formula

$-\text{CH}=\text{CH}-\text{CH}=\text{CH}-$  (a-1);

$-\text{N}=\text{CH}-\text{CH}=\text{CH}-$  (a-2);

$-\text{N}=\text{CH}-\text{N}=\text{CH}-$  (a-3);

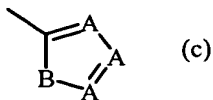
$-\text{N}=\text{CH}-\text{CH}=\text{N}-$  (a-4);

$-\text{N}=\text{N}-\text{CH}=\text{CH}-$  (a-5);

n is 0, 1, 2, 3 or 4; and in case  $-a^1=a^2-a^3=a^4-$  is (a-1), then n may also be 5;

$R^1$  is hydrogen; aryl; formyl;  $C_{1-6}$ alkylcarbonyl;  $C_{1-6}$ alkyl;  $C_{1-6}$ alkyloxycarbonyl;  $C_{1-6}$ alkyl substituted with formyl,  $C_{1-6}$ alkylcarbonyl,  $C_{1-6}$ alkyloxycarbonyl,  $C_{1-6}$ alkylcarbonyloxy;  $C_{1-6}$ alkyloxy $C_{1-6}$ alkylcarbonyl substituted with  $C_{1-6}$ alkyloxycarbonyl;

each  $R^2$  independently is hydroxy, halo,  $C_{1-6}$ alkyl optionally substituted with cyano or  $-\text{C}(=\text{O})R^6$ ,  $C_{3-7}$ cycloalkyl,  $C_{2-6}$ alkenyl optionally substituted with one or more halogen atoms or cyano,  $C_{2-6}$ alkynyl optionally substituted with one or more halogen atoms or cyano,  $C_{1-6}$ alkyloxy,  $C_{1-6}$ alkyloxycarbonyl, carboxyl, cyano, nitro, amino, mono- or di( $C_{1-6}$ alkyl)amino, polyhalomethyl, polyhalomethyloxy, polyhalomethylthio,  $-\text{S}(=\text{O})_pR^6$ ,  $-\text{NH}-\text{S}(=\text{O})_pR^6$ ,  $-\text{C}(=\text{O})R^6$ ,  $-\text{NHC}(=\text{O})\text{H}$ ,  $-\text{C}(=\text{O})\text{NHNH}_2$ ,  $-\text{NHC}(=\text{O})R^6$ ,  $-\text{C}(=\text{NH})R^6$  or a radical of formula



wherein each A independently is N, CH or CR<sup>6</sup>;

B is NH, O, S or NR<sup>6</sup>;

p is 1 or 2; and

R<sup>6</sup> is methyl, amino, mono- or dimethylamino or polyhalomethyl;

L is C<sub>1-10</sub>alkyl, C<sub>2-10</sub>alkenyl, C<sub>2-10</sub>alkynyl, C<sub>3-7</sub>cycloalkyl, whereby each of said aliphatic group may be substituted with one or two substituents independently selected from

\* C<sub>3-7</sub>cycloalkyl,

\* indolyl or isoindolyl, each optionally substituted with one, two, three or four substituents each independently selected from halo, C<sub>1-6</sub>alkyl, hydroxy, C<sub>1-6</sub>alkyloxy, cyano, aminocarbonyl, nitro, amino, polyhalomethyl, polyhalomethyloxy and C<sub>1-6</sub>alkylcarbonyl,

\* phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; or

L is -X-R<sup>3</sup> wherein

R<sup>3</sup> is phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; and

X is -NR<sup>1</sup>-, -NH-NH-, -N=N-, -O-, -C(=O)-, -CHOH-, -S-, -S(=O)- or -S(=O)<sub>2</sub>-;

Q represents hydrogen, C<sub>1-6</sub>alkyl, halo, polyhaloC<sub>1-6</sub>alkyl or -NR<sup>4</sup>R<sup>5</sup>; and

R<sup>4</sup> and R<sup>5</sup> are each independently selected from hydrogen, hydroxy, C<sub>1-12</sub>alkyl, C<sub>1-12</sub>alkyloxy, C<sub>1-12</sub>alkylcarbonyl, C<sub>1-12</sub>alkyloxycarbonyl, aryl, amino, mono- or di(C<sub>1-12</sub>alkyl)amino, mono- or di(C<sub>1-12</sub>alkyl)aminocarbonyl wherein each of the aforementioned C<sub>1-12</sub>alkyl groups may optionally and each individually be substituted with one or two substituents each independently selected from hydroxy,

Q

C<sub>1-6</sub>alkyloxy, hydroxyC<sub>1-6</sub>alkyloxy, carboxyl, C<sub>1-6</sub>alkyloxycarbonyl, cyano, amino, imino, mono- or di(C<sub>1-6</sub>alkyl)amino, polyhalomethyl, polyhalomethyloxy, polyhalomethylthio, -S(=O)<sub>p</sub>R<sup>6</sup>, -NH-S(=O)<sub>p</sub>R<sup>6</sup>, -C(=O)R<sup>6</sup>, -NHC(=O)H, -C(=O)NHNH<sub>2</sub>, -NHC(=O)R<sup>6</sup>, -C(=NH)R<sup>6</sup>, aryl and Het; or R<sup>4</sup> and R<sup>5</sup> taken together may form pyrrolidinyl, piperidinyl, morpholinyl, azide or mono- or di(C<sub>1-12</sub>alkyl)aminoC<sub>1-4</sub>alkylidene;

Y represents hydroxy, halo, C<sub>3-7</sub>cycloalkyl, C<sub>2-6</sub>alkenyl optionally substituted with one or more halogen atoms, C<sub>2-6</sub>alkynyl optionally substituted with one or more halogen atoms, C<sub>1-6</sub>alkyl substituted with cyano or -C(=O)R<sup>6</sup>, C<sub>1-6</sub>alkyloxy, C<sub>1-6</sub>alkyloxycarbonyl, carboxyl, cyano, nitro, amino, mono- or di(C<sub>1-6</sub>alkyl)amino, polyhalomethyl, polyhalomethyloxy, polyhalomethylthio, -S(=O)<sub>p</sub>R<sup>6</sup>, -NH-S(=O)<sub>p</sub>R<sup>6</sup>, -C(=O)R<sup>6</sup>, -NHC(=O)H, -C(=O)NHNH<sub>2</sub>, -NHC(=O)R<sup>6</sup>, -C(=NH)R<sup>6</sup> or aryl;

aryl is phenyl or phenyl substituted with one, two, three, four or five substituents each independently selected from halo, C<sub>1-6</sub>alkyl, C<sub>3-7</sub>cycloalkyl, C<sub>1-6</sub>alkyloxy, cyano, nitro, polyhaloC<sub>1-6</sub>alkyl and polyhaloC<sub>1-6</sub>alkyloxy;

Het is an aliphatic or aromatic heterocyclic radical; said aliphatic heterocyclic radical is selected from pyrrolidinyl, piperidinyl, homopiperidinyl, piperazinyl, morpholinyl, tetrahydrofuranyl and tetrahydrothienyl wherein each of said aliphatic heterocyclic radical may optionally be substituted with an oxo group; and said aromatic heterocyclic radical is selected from pyrrolyl, furanyl, thienyl, pyridinyl, pyrimidinyl, pyrazinyl and pyridazinyl wherein each of said aromatic heterocyclic radical may optionally be substituted with hydroxy.

19. (Once Amended) A method of treating non-nucleoside reverse transcriptase inhibitor resistant HIV infection in a subject in need thereof comprising administering to the subject an effective amount of the a compound of Claim 1 having the formula



p is 1 or 2; and

R<sup>6</sup> is methyl, amino, mono- or dimethylamino or polyhalomethyl;

L is C<sub>1-10</sub>alkyl, C<sub>2-10</sub>alkenyl, C<sub>2-10</sub>alkynyl, C<sub>3-7</sub>cycloalkyl, whereby each of said aliphatic group may be substituted with one or two substituents independently selected from

- \* C<sub>3-7</sub>cycloalkyl,
- \* indolyl or isoindolyl, each optionally substituted with one, two, three or four substituents each independently selected from halo, C<sub>1-6</sub>alkyl, hydroxy, C<sub>1-6</sub>alkyloxy, cyano, aminocarbonyl, nitro, amino, polyhalomethyl, polyhalomethyloxy and C<sub>1-6</sub>alkylcarbonyl,
- \* phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; or

L is -X-R<sup>3</sup> wherein

R<sup>3</sup> is phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; and

X is -NR<sup>1</sup>-, -NH-NH-, -N=N-, -O-, -C(=O)-, -CHOH-, -S-, -S(=O)- or -S(=O)<sub>2</sub>-;

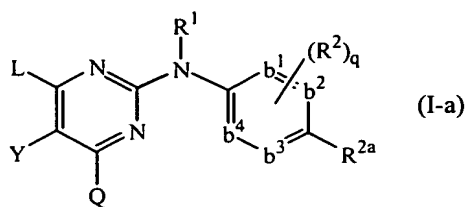
Q represents hydrogen, C<sub>1-6</sub>alkyl, halo, polyhaloC<sub>1-6</sub>alkyl or -NR<sup>4</sup>R<sup>5</sup>; and

R<sup>4</sup> and R<sup>5</sup> are each independently selected from hydrogen, hydroxy, C<sub>1-12</sub>alkyl, C<sub>1-12</sub>alkyloxy, C<sub>1-12</sub>alkylcarbonyl, C<sub>1-12</sub>alkyloxy carbonyl, aryl, amino, mono- or di(C<sub>1-12</sub>alkyl)amino, mono- or di(C<sub>1-12</sub>alkyl)aminocarbonyl wherein each of the aforementioned C<sub>1-12</sub>alkyl groups may optionally and each individually be substituted with one or two substituents each independently selected from hydroxy, C<sub>1-6</sub>alkyloxy, hydroxyC<sub>1-6</sub>alkyloxy, carboxyl, C<sub>1-6</sub>alkyloxy carbonyl, cyano, amino, imino, mono- or di(C<sub>1-6</sub>alkyl)amino, polyhalomethyl, polyhalomethyloxy,

polyhalomethylthio,  $-S(=O)_pR^6$ ,  $-NH-S(=O)_pR^6$ ,  $-C(=O)R^6$ ,  $-NHC(=O)H$ ,  $-C(=O)NHNH_2$ ,  $-NHC(=O)R^6$ ,  $-C(=NH)R^6$ , aryl and Het; or  $R^4$  and  $R^5$  taken together may form pyrrolidinyl, piperidinyl, morpholinyl, or mono- or di( $C_{1-12}$ alkyl)amino $C_{1-4}$ alkylidene;  
Y represents hydroxy, halo,  $C_{3-7}$ cycloalkyl,  $C_{2-6}$ alkenyl optionally substituted with one or more halogen atoms,  $C_{2-6}$ alkynyl optionally substituted with one or more halogen atoms,  $C_{1-6}$ alkyl substituted with cyano or  $-C(=O)R^6$ ,  $C_{1-6}$ alkyloxy,  $C_{1-6}$ alkyloxycarbonyl, carboxyl, cyano, nitro, amino, mono- or di( $C_{1-6}$ alkyl)amino, polyhalomethyl, polyhalomethyloxy, polyhalomethylthio,  $-S(=O)_pR^6$ ,  $-NH-S(=O)_pR^6$ ,  $-C(=O)R^6$ ,  $-NHC(=O)H$ ,  $-C(=O)NHNH_2$ ,  $-NHC(=O)R^6$ ,  $-C(=NH)R^6$  or aryl;  
aryl is phenyl or phenyl substituted with one, two, three, four or five substituents each independently selected from halo,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl,  $C_{1-6}$ alkyloxy, cyano, nitro, polyhalo $C_{1-6}$ alkyl and polyhalo $C_{1-6}$ alkyloxy;  
Het is an aliphatic or aromatic heterocyclic radical; said aliphatic heterocyclic radical is selected from pyrrolidinyl, piperidinyl, homopiperidinyl, piperazinyl, morpholinyl, tetrahydrofuranlyl and tetrahydrothienyl wherein each of said aliphatic heterocyclic radical may optionally be substituted with an oxo group; and said aromatic heterocyclic radical is selected from pyrrolyl, furanyl, thienyl, pyridinyl, pyrimidinyl, pyrazinyl and pyridazinyl wherein each of said aromatic heterocyclic radical may optionally be substituted with hydroxy.

20. (Once Amended) A method of treating non-nucleoside reverse transcriptase inhibitor resistant HIV-1 infection in a subject in need thereof comprising administering to the subject an effective amount of ~~the~~ a compound ~~of Claim 1~~ having the formula

C



a N-oxide, an addition salt, or a stereochemically isomeric form thereof, wherein

$-b^1=b^2-C(R^{2a})=b^3-b^4=$  represents a bivalent radical of formula

$-CH=CH-C(R^{2a})=CH-CH=$  (b-1) ;

$-N=CH-C(R^{2a})=CH-CH=$  (b-2) ;

$-CH=N-C(R^{2a})=CH-CH=$  (b-3) ;

$-N=CH-C(R^{2a})=N-CH=$  (b-4) ;

$-N=CH-C(R^{2a})=CH-N=$  (b-5) ;

$-CH=N-C(R^{2a})=N-CH=$  (b-6) ;

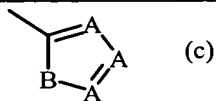
$-N=N-C(R^{2a})=CH-CH=$  (b-7) ;

q is 0, 1, 2; or where possible q is 3 or 4;

$R^1$  is hydrogen; aryl; formyl;  $C_{1-6}$ alkylcarbonyl;  $C_{1-6}$ alkyl;  $C_{1-6}$ alkyloxycarbonyl;  $C_{1-6}$ alkyl substituted with formyl,  $C_{1-6}$ alkylcarbonyl,  $C_{1-6}$ alkyloxycarbonyl,  $C_{1-6}$ alkylcarbonyloxy;  $C_{1-6}$ alkyloxy $C_{1-6}$ alkylcarbonyl substituted with  $C_{1-6}$ alkyloxycarbonyl;

$R^{2a}$  is cyano, aminocarbonyl, mono- or dimethylaminocarbonyl,  $C_{1-6}$ alkyl substituted with cyano, aminocarbonyl or mono- or dimethylaminocarbonyl,  $C_{2-6}$ alkenyl substituted with cyano, or  $C_{2-6}$ alkynyl substituted with cyano;

each  $R^2$  independently is hydroxy, halo,  $C_{1-6}$ alkyl optionally substituted with cyano or  $-C(=O)R^6$ ,  $C_{3-7}$ cycloalkyl,  $C_{2-6}$ alkenyl optionally substituted with one or more halogen atoms or cyano,  $C_{2-6}$ alkynyl optionally substituted with one or more halogen atoms or cyano,  $C_{1-6}$ alkyloxy,  $C_{1-6}$ alkyloxycarbonyl, carboxyl, cyano, nitro, amino, mono- or di( $C_{1-6}$ alkyl)amino, polyhalomethyl, polyhalomethyloxy, polyhalomethylthio,  $-S(=O)_pR^6$ ,  $-NH-S(=O)_pR^6$ ,  $-C(=O)R^6$ ,  $-NHC(=O)H$ ,  $-C(=O)NHNH_2$ ,  $-NHC(=O)R^6$ ,  $-C(=NH)R^6$  or a radical of formula



wherein each A independently is N, CH or  $CR^6$ ;

B is NH, O, S or  $NR^6$ ;

C

p is 1 or 2; and

R<sup>6</sup> is methyl, amino, mono- or dimethylamino or polyhalomethyl;

L is C<sub>1-10</sub>alkyl, C<sub>2-10</sub>alkenyl, C<sub>2-10</sub>alkynyl, C<sub>3-7</sub>cycloalkyl, whereby each of said aliphatic group may be substituted with one or two substituents independently selected from

- \* C<sub>3-7</sub>cycloalkyl,
- \* indolyl or isoindolyl, each optionally substituted with one, two, three or four substituents each independently selected from halo, C<sub>1-6</sub>alkyl, hydroxy, C<sub>1-6</sub>alkyloxy, cyano, aminocarbonyl, nitro, amino, polyhalomethyl, polyhalomethyloxy and C<sub>1-6</sub>alkylcarbonyl,
- \* phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; or

L is -X-R<sup>3</sup> wherein

R<sup>3</sup> is phenyl, pyridinyl, pyrimidinyl, pyrazinyl or pyridazinyl, wherein each of said aromatic rings may optionally be substituted with one, two, three, four or five substituents each independently selected from the substituents defined in R<sup>2</sup>; and

X is -NR<sup>1</sup>-, -NH-NH-, -N=N-, -O-, -C(=O)-, -CHOH-, -S-, -S(=O)- or -S(=O)<sub>2</sub>-;

Q represents hydrogen, C<sub>1-6</sub>alkyl, halo, polyhaloC<sub>1-6</sub>alkyl or -NR<sup>4</sup>R<sup>5</sup>; and

R<sup>4</sup> and R<sup>5</sup> are each independently selected from hydrogen, hydroxy, C<sub>1-12</sub>alkyl, C<sub>1-12</sub>alkyloxy, C<sub>1-12</sub>alkylcarbonyl, C<sub>1-12</sub>alkyloxy carbonyl, aryl, amino, mono- or di(C<sub>1-12</sub>alkyl)amino, mono- or di(C<sub>1-12</sub>alkyl)aminocarbonyl wherein each of the aforementioned C<sub>1-12</sub>alkyl groups may optionally and each individually be substituted with one or two substituents each independently selected from hydroxy, C<sub>1-6</sub>alkyloxy, hydroxyC<sub>1-6</sub>alkyloxy, carboxyl, C<sub>1-6</sub>alkyloxy carbonyl, cyano, amino, imino, mono- or di(C<sub>1-6</sub>alkyl)amino, polyhalomethyl, polyhalomethyloxy,

polyhalomethylthio,  $-S(=O)_pR^6$ ,  $-NH-S(=O)_pR^6$ ,  $-C(=O)R^6$ ,  
 $-NHC(=O)H$ ,  $-C(=O)NHNH_2$ ,  $-NHC(=O)R^6$ ,  $-C(=NH)R^6$ , aryl and Het; or  
 $R^4$  and  $R^5$  taken together may form pyrrolidinyl, piperidinyl,  
morpholinyl, or mono- or di( $C_{1-12}$ alkyl)amino $C_{1-4}$ alkylidene;  
Y represents hydroxy, halo,  $C_{3-7}$ cycloalkyl,  $C_{2-6}$ alkenyl  
optionally substituted with one or more halogen atoms,  $C_{2-6}$   
alkynyl optionally substituted with one or more halogen  
atoms,  $C_{1-6}$ alkyl substituted with cyano or  $-C(=O)R^6$ ,  
 $C_{1-6}$ alkyloxy,  $C_{1-6}$ alkyloxycarbonyl, carboxyl, cyano, nitro,  
amino, mono- or di( $C_{1-6}$ alkyl)amino, polyhalomethyl,  
polyhalomethyloxy, polyhalomethylthio,  $-S(=O)_pR^6$ ,  
 $-NH-S(=O)_pR^6$ ,  $-C(=O)R^6$ ,  $-NHC(=O)H$ ,  $-C(=O)NHNH_2$ ,  
 $-NHC(=O)R^6$ ,  $-C(=NH)R^6$  or aryl;  
aryl is phenyl or phenyl substituted with one, two, three,  
four or five substituents each independently selected from  
halo,  $C_{1-6}$ alkyl,  $C_{3-7}$ cycloalkyl,  $C_{1-6}$ alkyloxy, cyano, nitro,  
polyhalo $C_{1-6}$ alkyl and polyhalo $C_{1-6}$ alkyloxy;  
Het is an aliphatic or aromatic heterocyclic radical; said  
aliphatic heterocyclic radical is selected from pyrrolidinyl,  
piperidinyl, homopiperidinyl, piperazinyl, morpholinyl,  
tetrahydrofuranlyl and tetrahydrothienyl wherein each of said  
aliphatic heterocyclic radical may optionally be substituted  
with an oxo group; and said aromatic heterocyclic radical is  
selected from pyrrolyl, furanyl, thienyl, pyridinyl,  
pyrimidinyl, pyrazinyl and pyridazinyl wherein each of said  
aromatic heterocyclic radical may optionally be substituted  
with hydroxy.